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											CCC Nla						315	
			Cyn								ren C1V						363	
											CCC Cly 85						411	
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				Plic					Clu		TCC			The			555	
			yan					Lyo			i ji c		λrg				603	
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	TCT Cy e 235	C Fe	CVI	GC1 2, G1)	. 11 u	100 Cyn 240	$-\nu \omega 1$	Lyi	CCC Lrc	5 Vai	T CM 5 G1: 245	ı Cyt	C GT: g Val	1 CY	6 CV	n CTC n Leu 250	89.1	

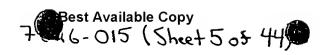
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1	ητ ( ) κ / 75	J£Ġ SCC	TCC Cyo	CJ!I CVV	C y o	CTT Val 480	CCC Tro	CCT CLy	TTC	** * 6	417	ΛCC Tht	CVC	TCT	NCT Ser	λcc	1611	
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csc cly	Γ·λ.α VVC	CΛ1 Λσρ 525	TCC Cyo	TCT Ser	CTC Val	ναb GVC	ΛΤC 11e 530	ναδ Cv.L	Clu	ТСС Сув	NGC Ser	NCT Ser 535	CI Y	CCC Pro	C, a CL	1755
CVI	אטר 100 אינט 100 אינט	C I Y	ccc cly	λCT The	TGC Cyn	NTC 11@E 545	ναι γνς	νr.d ccc	GTC Val	אעז דעע	TCC Ser 550	TTC	Clu	C y a	CTG . Val	1003
Cyn SSS	V)] a	γνη γνή	c Ly cc T	Tic	200 yrd ycc	C1A.	Γλ α VV.C	CAG .	.TCC .TCyn.	SG2 CVI	CVC CVC	CIU CVC	TCC	TŅC Tyj:	CΛΤ . Դոք 570	1051
TCG Ser	CTC Val	ACC The	TTC	GAT Nop 575	VI a	IIT <sup>0</sup> CVC	CAA	Tyr	CCΛ Clγ 580	νla	ACC Thr	ACA Thr	G]u CVV	CCC 71a 585	yεά ycy	1899
GCC Nla	Vat GVI	CCT	TTC Leu 590	NCC The	TAA TubA	CCC Ala	Clu	CTA Val 595	GTC Val	ren	lle	GCT Ala	CTT Val 600	TTC	TCC Ser .	1947 . ·
GTT Val	VI u	NTC Het 605	CCT Pro	LEU	CTC Val	OCC Nla	CTT Val 610	VII	v1a ccc	VI#	TGC Cyn	CTC Vol 615	dTC Val	TTC	Cya	1995
NTG .llet	λλς Εγα 620	y.cd CCC	Γλα γνα	<b>v</b> tà CCI	Γλι VVC	CCT Arg 625	GCT Ala	Clu	Glu Glu	Γλα γνα	630 <b>γ</b> αδ <b>C</b> νC	yθb GyC	νla	G Lui	GCC Ala	2043
VCC VCC	Γλα γνα	CAG Glu	ναιι ννς	Clu	CAG Glu 640	ναυ νντ	Vla	CTC Val	CCC hla	NCA Thr G45	NTC	CNT	II10	νυι <b>ν</b> υι	GGC Gly 650	2091
ncT Ser	GGG Gly	GTC Val	CCT Cly	GTA Val 655	νla	LEG	Vla	TCN Ser	060 000	TCT Ser	CIC	GGC Gly	GGC Gly	አአአ Lye 665	The	2139
CLY	λCC Ser	γαυ γνς	λCC Ser 670	GCT Gly	ren C1C	NCC Thr	TTC	GΛT Λπρ 675	GCC	GGC	<b>ν</b> αυ <b>γ</b> νς	CCG I'ro	680 Van VVI	NTC Ile	VLC 176	2187
ι.λα γγν	γιιι γνς	ΛCC Thr GOS	TCC Trp	ναδ GVC	I.y n	TCG Ser	GTC Val	γαιι γνς	yau yyc	NT1 Ile	TCT Cyn	GCC Ala G95	TCA Ser	GCA Ala	GCV VIII	2235
vla	GCG 11 a 700	GCG Ala	CCC Ala	νla	νla	CCN Nla 705	νla	v l a GCG	<b>ν</b> αδ cνc	Clu	ТСТ Сув 710	CTC	ΛTC -Het	Tyr	Cly	2283
GGA Gly 715	ТЛТ Туг	CTC Val	GCC Ala	TCC Ser	CTC Val 720	Λla	yab Gyi	yau vyc	yαυ vyc	725 725	Λla	you yyc	Ser	ναξ Ολο	730	2331
TGT Cyn	GTC Val	CCT	CCC Pro	CTA Leu 735	CVV	<b>v</b> r.d vcv	νΓ° ccc	Ly σ ΛΛC	TCC Ser 740	Clu	Ly o	CVV	CTC	. λου . 749	ncc The	2379
CAT	ככר	VCC	כינכ	ATC	Chc	ccc	CCT	Tee								0.40
Veb	Pro	Thr	Leu 750	Het	III a	λrg	Cly	Ser 755	Pro	Λla	GCC Gly	Ser	Ser 760	Λla	Lyn Lyn	2127
ccy ccy	OCC Ala	TCT Ser 765	CCC	COV	CCN	CCC Pro	GCA Gly 770	aca	ccc	C I n	GCC Gly	775	Vr.d VCC	אדכ	TCT Sec	2475
CTT Val	100 100 11.12	CI y	Chc Clu	CCT	TCC	TAC Tyr 785	Cyn	yac 25t	CAC Clu	CCT L Arg	700 700 790	Pro	TCC Sec	TT(	7 V[2	2523

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(Sheet 4 of 44) 18/532384

CCC CCC CCC GCC CCC CCC CCC TCT TCC TCC	2571
TCG GCA GCG GGC AGC GGA GCG GGG ACC GCG CAA CAG GGA TCC GTG  Ser Ala Ala Gly Ser Gly Ala Gly Thr Ala Gla Gla Gla Acg Ser Val  815  820  825	2619
CIC TGC GGC ACT CCG CAT ATG TAAC CCAAAA AATGCGGAAG GGCTCCTGGT Val Cyn Cly The Peo IIIn Hel 030	2670 ~
NANTECCONG NANTECCENT CONGONCETC NENCENENTA CHENANGANA AGACTECCTT	2,730
GGGTTCNNNN TGTGNGNGNG NGGCGNNNNT GTTGTTGTTG NTTGNNGCNG TTTNGTCGTG	2790
ACCANANATE ANAMATETET ANCAGGENTA ACTECTANAC TECCTANANA ATTICTATAG	2050
TANTINGCAN AGETGIGACC CAGCCGITIC GAICCCGAAT TC	2892

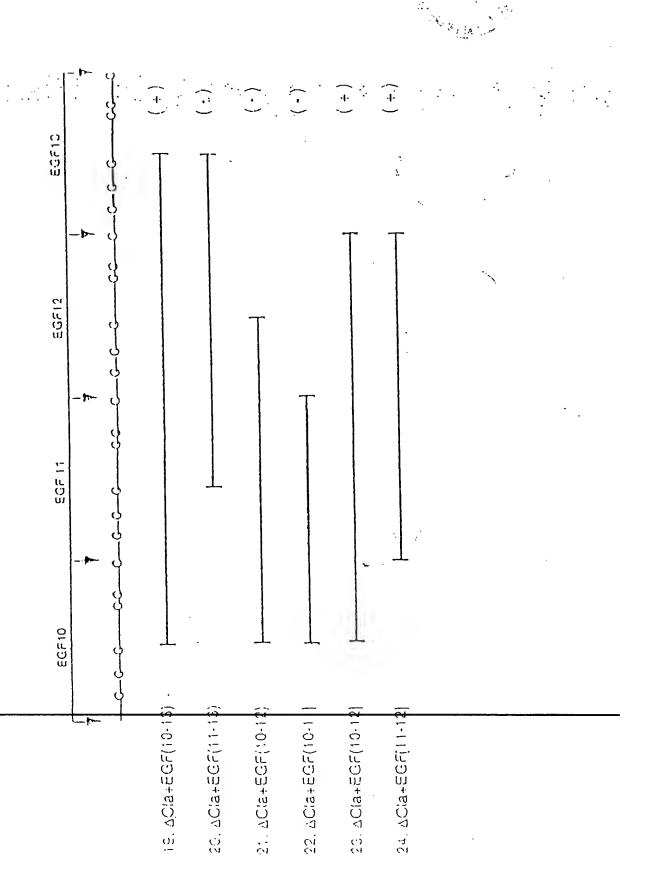


- , FIG. 2

			% Aggre	gatton	i,
	1	ZII ECL N COCIO PA ODS	with DI v	wiii Sei	•• 🚦
	I. pMillMg		40	21 *#j	
	2. ASph		. 0	nt	S (1)
	3. ΔCla		0	nt <sub>.</sub>	
	4. DEGF(7-17)	CALLET TURNING THE BOARD TO THE STATE OF THE	0 .	H	
	5. AEGF(9-26)		0.	nl	
	G. AEGF(17-30)		22	nl	
	7. AEGF(7-9)	and the second s	20	.14	الميا
	8. AEGF(9-17)	COMING WORKER STORY	0	0	
	9. AEGF(17-26)		10	8	
	10. AEGF(26-30)		5	7	
	11. AEGF(9-30)		0	nt	
	12. AEGF(7-26)		0	nt	
	13. ACIa+EGF(9-17)		35 ·	. 20	
	14. ACIa+EGF(17-26)		. 0	at	
	15. split		42	tit	
	16. ACIa+EGF(9-13)		47	25	
	17. ACIa+EGF[11-15]		0	0	
	18. ACIa+EGF[13-17]		0	nı	
	19. ACia+EGF(10-13)		56	23	
	20. ACIa+EGF(11-13)		. 0	nt	
	21. ACIa+EGF(10-12)		0	erl	
	22. ACIa+EGF(10-11)		0	nt	•
	23. ACIa+EGF[10-12]		45	nt	
	24. ACIa+EGF[11-12]		11	nt	
	25. AEGF		0	nl	
	26. AEGF+EGF(9:17)		24	ni	
	27. AEGF+EGF(9-13)		40	nt	
	28. nEGF+EGF[10-13]		45	23	
'	29. AEGF+EGF(10-12)		48	nt	
	JO. NECH	נערבי. בכוות כון	0	nţ	
	31. AECN+EGF(10-13)		26	ot	
	37. AECH+EGF(10-12)			22	
	33 VCIX+XEQL[10-13]	Campa Thing Thinks	1 42	20	
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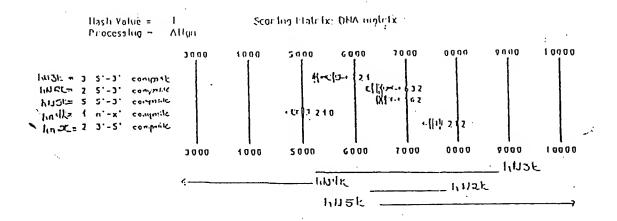
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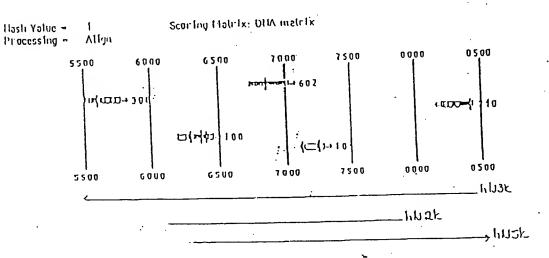
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### 7326-015 (Sheet 11 of 44)

FIG. 8 A-C

A.

1 GANTICOGOT GOUNGANIEG TOTERGOIRO CIGOCOGICO IGCIGGGGOA ICANIGOCAR
61 GIGGGGRANG CONCROTEGG CHARCEGGOC AGGCCRITIC IGGRATOTOO IRCHIGGTGO
121 GONGGGGGCO CGCHACAGOT GGAGGGCAGG IGGACIGAGG CIGGGGATCO CCCGCTGDIT
181 GGGCANIACI GCCTITACCO ATGAGCIGGA ARGICACARI GGGGGGCAAG GGCICCCGAG
211 GGIGGIIRIG IGCIICCITO AGGIGGO

B.

1 GARTICCTC CRITATACGI GRCTITICIG RARCIGIAGC CACCCTAGIG TCICIARCIC
61 CCICIGGAGT TIGICAGCTI IGGICTITIC RARGAGEAGG CICTCTICAA GCICCTAAT
121 GCGGGCATGC TCCAGTTIGG TCTGCGICTC RAGATERCCI TIGGIARTIG RITCTTCTTC
101 AACCCGGAAC TGAAGGCTGG CICICACCCT CIAGGCAGAG CAGGAATTICC GAGGTGGATG
241 IGIIAGATGI GARTGICCGI GGCCCAGATG GCIGCACCCC RITGATGTTG GCTTCTCCC
301 GAGGAGGCAG CICAGATTTG RGTGATGAAG RTGARGATGC RGRGGACTGI ICIGCTAACA
361 ICATCACAGA CTIGGTCTAC CAGGGTGCCA GCCTCCAGHC CAGACAGACC GGACTGGTGA
121 GATGGCCCTG CACCTTGCAG CCCGCTACTC RCGGGCCGC TGTCCACTCC RTGCTGCAGT
101 IGCAGGTGCA GATGCCAATG CCCAGGACAA CATGGGCCGC TGTCCACTCC RTGCTGCAGT
511 GGCACGTGAT GCCAAGGTGT ATTCAGATCT GTTA

C

ŧ	TOCAGNITICT	GULLCCCUUC	CGNGTAACTG	COTRORISIR	CUCCULCUS	GNIGGIACIA
61	CUCCCCICUI	CC1 <b>G</b> GC1GC <b>C</b>	CCCCTGGCTG	TGGRGGGRAT	GGTGGCRGAA	CIGNICARCI
121	DOCUMBOOS	TGTGRATGCN	GIGGRIGHCC	ntcGnnnntc	1001011000	IEEECOECIE
101	CIGICBUIAL	IGIGGGGGCA.	RCICITIES	TETTERARAS	TCCCCCCCOO.	COOCHOCIO

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FIG. 9 A-B

A

1 GRATICCRIT CAGGAGGARA GOGTGGGGAG AGARGGAGGG ACCCACTITC CCGTGGCTGG
61 ACTCGTTCCC AGGTGGCTCC ACCGGCAGCT GTGACCGCG CAGGTGGGGG COGAGTGCCA
121 ITCAGARAT TCCAGARAGG CCCTACCCCA ACCGGCGGG CAACGTCACA CCCTGGGTA
181 GCARCTGGCA CACARACAGC CAGGGTGTCT GGGGCACGGG GGGATGGCAC CCCCTGCAGG
211 CAGGGCTG

В.

1	nagggannig	CANARGCHGG	000100000	сооссоскс	HGCTCTAGRA	Никоотолита
61	HCCCGGGGCTG	CROGRATICC	OCCCGRCTCC	GCTCGGGGCTC	วอวออวอกอห	TOTOGNAGAG
121	NTTCINGACC	GGGNGRNCNA	CCGNRIGGCI	GACAGCTGGC	CICCARAGIC	RCCRGGCTCR
181	USSISSINU	CCTGGRCRTC	CACCCATGCA	RDNOTNOOND	TOOR TOODOON	OTRODUTROD
211	ACTCGGATTT	RCRRGCRTGR	CCRGCCTGCT	DDRDDDRDRT	GTGAHHTITT	CHCHTGCRGT
		nectetate co				



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100 110	120 * *	* * *	AGT '
CCC TGG NNG NNC TGC NCG	Q S L Q	C W K Y F	S>
150 160		* *	90 *
GAC GGC CAC TGT GAC AGC	CAC TOC AND TON	GCC GGC TGC CTC TTC A G C L F	D>
200 210	220	230	240
GGC TTT GAC TGC CAG CGT G F D C Q R	L CCC CVV CCC CVC	TGC AND CCC CTG TAC	D>
250	260 270	280	
CAG TAC TGC AAG GAC CAA	C TTC AGC GAC GGG F S D G	CAC TGC GAC CAG GGC	TGC C>
290 300	* *	20 330	*
AAC AGC GCG GAG TGC GA N S A E C E	G TGG GAC GGG CTG W D G L	GAC TGT GCG GAG CAT D C A E II	CTA V>
340 350	360	370 380	
CCC GAG AGG CTG GCG GC	CC GGC ACG CTG GTG	GIG GIG GIG CIG ATO	G CCG P>
390 400	410	. 420	430
CCG GAG CAG CTG CGC N P E Q L R	AC ACC TCC TTC CAC	TTC CTG CGG GAG CT F L R E L	C NGC S>
440 4		470	480
CGC GTG CTG CAC ACC A	AC CTG GTC TTC AAG	CGT GAC GCA CAC GG	C CNG
490	500 510	520 * *	*
CAG ATG ATC TIC CCC T	<del>AC TAC GGC CGC GAG</del> Y Y G R E	E E L R	( ID
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CCC ATC ANG CGT GCC G	SCC GAG GGC TGG GCC	GCA CCT GAC GCC C	rg crg

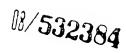
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	i	630			61	0		(	ú50	•		660		•	67	0			
	CGG (	ÇGG . R	νGC	GVC E	CTG	. ·D	P	(1	υ	V	CGC R·	ccc	TCC Ş	Ι ντς	GTC .v	TAC Y>	· :·		
•	•	•	680			690			70		•	•	710			720		•	•
	CTG	GλG E	ΛTT I	GVC D	λλС	CGG R	CΛG	TGT	GTG	CλG	CCC		TCG	CNG Q	TGC C				
	D	Ü		30	•		740			750				60					
	_	λGT	CCC	<b>*</b>	GVC		• GCC	GCV	* TTC F	CTG	G GGV	ν GCG Λ	CTC	GCC	TCG S	CTG			
	Q	5		780		·		90			800			810					
	770 * GGC G	λGC	• • CTC	• <b>^</b>	λΤC	CCC	TAC	* አለር	* ΣΤΛ :	GVG	GCC	GTC V	* C/VC Q	AGT S	GλG E	* * * * * * * * * * * * * * * * * * *			
	-		D		830	•						850			860				
	стс	Gνα *	CCC	. ccc	· ccc	cco	* GCC	CVC	CTO	₹ CVC	TTC F	* C λΤ( M	, ΤΛΟ Υ	GTG V	¢ GCG	GCG A>			
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NON GAC ONG CGG CAG TGG ACT CAG CAG CAC CTG GAT GCC GCT GAG CTG T D H R Q W T Q Q H L D A A , D LS 1210 1220 1230 1240 CUC ATG TOT GOO ATG GOO COO ACA COG COO CAG GGT GAG GTT GAC GOO GAC TGC ATG GAC GTC AAT GTC CGC GGG CCT CAT GGC TTC ACC CCG CTC D C M D V N V R G P D G F T P L> 1300 1310 1320 1330 ATG ATC GCC TCC TGC AGC GGG GGC GGC CTG GAG ACG GGC AAC AGC GAG MIASCSGGGLETGNS.E> 1360 1370 1.380 GAN GNG GNG GNC GCG CCG GCC. GTC ATC TCC GNC TTC ATC TAC CNG GGC E E E D A P A V I S D F. I Y Q G> 1400 1410 1420 1430 GCC AGC CTG CAC AAC CAG ACA GAC CGC ACG GGC GAG ACC GCC TTG CAC A S L II N Q T D R T G E T A L ID 1450 1460 1470 1480 CTG GCC GCC CGC TAC TCA CGC TCT GAT GCC GCC AAG CGC CTG CTG GAG L A A R Y S R S D A A K R L L E> 1500 1510 1520 1530 1500 GCC AGC GCA GAT GCC AAC ATC CAG GAG AAC ATG GGC CGC ACC CCG CTG A S A D A N I Q D. N M G R T P L> 1540 1550 1560 1570 1580 CAT GCG GCT GTG TCT GCC GAC GCA CAA GGT GTC TTC CAG ATC CTG ATC H A A V S A D A Q G V F Q I L I> 1600 1610 1620 1630 CGG ANC CGA GCC ACA GAC CTG GAT GCC CGC ATG CAT GAT GGC ACG ACG RNRATDLDARMIDGTT 1640 1650 1660 1670 1680 CCA CTG ATC CTG GCT GCC CGC CTG GCC GTG GAG GGC ATG CTG GAG GAC PLILAARLAVEGMLED> CTC ATC AND TON CAD GCC GAD GTC AND GCC GTA GAT GAD CTG GGC AND LINSII A D V N A V D D L G 10 1730 1740 1750 1760 1770 TICK GEC CTG CAC TGG GCC GCC GCC GTG AAC AAT GTG GAT GCC GCA GTT

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### 7326-015 (Sheet 16 of 44)

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GTG	CTC L	CTG	λλG	ννς	GGG	GCT	лас	VVV	GAT	λTG	CVC	λλΟ	λλC	λGG	GAG E>				
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GNG	,L VCV	ĊCĊ	CTG	TİT	CTG	CCC	CCC	CGG	GVC	GGĊ	λGC	ŤλC	GNG	λCC	CCC	• ;	•	•	٠.
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<b>N</b> NG	GTG V	CTG	CTG	GλC D	II CVC	TTT	GCC	λνς	CGG	GλC	λTC	λCG	GλT	CAT	λŦĠ				
	•	19	30		1	940		:	1950			19	60						
	CGC R	CTG	CCG	CGC	GλC	λTC	<b>GCV</b>	CNG	GλG	CGC	ATG.	СЛТ	CVC						
1970			1980		*	199	90		20	000	•	:	2010						
GTĠ V	λGG R	CTG	CTG	CVC	GΛC	TAC	$\nu \nu c$	CTG	GTG	CGC	AGC	CCG	CAG	CTG L	ID CVC				
20	20	*	20	030			2040		•	20	50		20	060					
GGV	ςCC	CCG	CTG	GGG	GGC	λCG	ССС	νсс	CTG	TCG	<b>C</b> CC	CCG	CTC	TGC	TCG S>				
*	2070		•	201	80	*	20	90			2100		•	21	10				
CCC	и vyc	GGC	TΛC	CTG	GGC	λGC	CTC	λλG	CCC	GGC	GTG	CNG	GGC	λλG	VVC KO				
	23	20		. :	2130		•	21	10		2	150		:	2160				
GTC V	CGC R	λλG K	$\mathcal{CCC}$	AGC	VCC	$\Lambda \Lambda \Lambda$	GGC	CTG	GCC	TGT	GĊΛ	λGC	λλG	CVC	GCC				
		21	70		23	180		:	2190	,	<b>.</b>	22							
γνc	CYC	CTC	$\lambda\lambda G$	GCN	CGG	λGG	λλG	λλG	TCC	CλG	GΛT	GGC	λλG	GGC	TGC				
2210	D													G	$\circ$				
*	CTG	*	*		*		•	•		*		*	4	CNC					
L	L	D	S	S	G	И	r	s	Б	v	D	s	L	E	S>				
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CCC	CVI	GĠC	TAC	CTG	TCA	GVC	GTG	CCC	TCG	CCG	ССУ	CTG	CTG L	CCC	TCC S>				
	2310		•	232	20	•	2 :	330			2340			23	50				
CCC P	TTC F	CVC 0	S CYC	TCT	CCG	TCC	GTG	CCC	CTC	λλC	CAC	CTG	ССТ	GGG G	ATY:				
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### 7326-015 (Sheet 17 of 44)

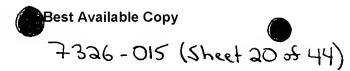
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CCC *	GVC D	ν ν τ	CVC	CTG:	GGC .	Ι	GGG G	II CVC	CTG L	AVC N	V GTG	ν CCC (	βCC I	λλG K	P>				
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CNG E	Λ1'G	ςcc.	GCG	CTG	GGT	GGG 6	GCC	GGC G	CGG R	CTG .	GCC ^	11T	GλG .	λCT · T	GGC GŞ	₹; <sup>3</sup> .	Υ.	•	. •
2450		2	160	•		247	0		21	80	•	2	490		٠.				
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250	00			10						253			25	40		ar di			
	• GGC G		λGC S	λGC S	GG <b>V</b>	¢ GGG G	GCC N	CTG L	AAT N	TTC F	λCT T	GTG V	GGC G	GGG G	TCC S>				
:	2550							570		. 2	2580			259	90				
λCC T	λGT S	TTG L	XXT N	GGT	¢ CVA	TGC	GNG E	TGG	CTG L	TCC S	CGG	CTG L		λGC S	GGC				
	26	500		2	610			26	20	*	2	630			2640				
NTG M	GTG V	C.C.G	yyc N	СУУ	TλC	ννс	CCT	CTG	CGG	GGG	λGT	GTG V	GCX	CCV	GGC				
		265	50		26	560			2670			268	30						
	CTG L		усу	CVC	GCC	CCC	TCC	CTG		CNT		NTG M	GTA V						
2690		2	2700			27	10		2	720			2730						
CTG	CVC	λgτ	λGC	CTT							CVC	ΛTG		λGC	<b>↑</b>	•			
L	н	S	S	L	λ	λ	S	λ,	L	S	Q	М	М	S	Y>				
27	40	*	. 2	750		*	2760		*	27	70	4	2	780					
	GCC			λGC S							ь С <u>С</u> 1	H CVC	CTG L	GTG V					
	2790			28	00 .		2	810			2820	)		28	30				
λCC	CVC C	CVC	GTG	CV.C	CCV	CVV	λλΟ	TTA	CVC Q	λTG	CAG	CAG Q	CyC Q	N VVC	CTG				
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<u> </u>	CCA 9	y CCV	wc	ATC	CVC	Circ	CVC	CVV	ΛÇC	CTG	CVC	F F	CCV	CCV	<u>רכא</u> לא	·			_
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#### 7326-015 (Sheet 18 05 44)

FIG. 10 CONT'D

GRSFLS G E P S QΛ 2990 3000 CTG GGC CCC NGC NGC CTG GCG GTG CNC NCT NTT CTG CCC CNG GNG NGC L G P S S L A V H T I L P Q E S> 3060 CCC GCC CTG CCC ACG TCG CTG CCA TCC TCG CTG GTC CCA CCC GTG ACC 3100 3110 GCA GCC CAG TTC CTG ACG CCC CCC TCG CAG CAC AGC TAC TCC TCG CCT  $\lambda$   $\lambda$  Q F L T P P S Q H S Y S S P> 3140 3150 3160 GTG GAC AAC ACC CCC AGC CAC CAG CTA CAG GTG CCT GTT CCT GTA ATG V D N T P S H Q L Q V P V P V MD 3180 3190 3200 GTA ATG ATC CGA TCT TCG GAT CCT TCT ANA GGC TCA TCA ATT TTG ATC V M I R S S D P S K G S S I L I> 3220 3230 GAN GCT CCC GAC TCA TGG E A P D S W>

		OTO COT GGC CCA Val Arg Gly Pro 10		46
		th GON GOO NEC 1 or Cly Cly Chec 1 25		94
	Ala Glu Anp Se	TT TOT OOF AND 1 TO SEE ALA AND 1 10		143
Lou Val T		ng dod ond non d In Ala din The F		199.
		TO THE TEN COG ( Eq. Typ Sep Arg ) 75		200
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		oc can occ cat ya cla ala ap 155		478
		ne too och oct In Tep Mia Min 170		526
	 Leu Leu Leu L	AA AAT CCC CCC yn Agu Cly Ala 185	_	574
	tota The Peo L	TO TIT CIT OCT OU Plot Low Ala OO		622
Ser Tyr C			GCC ANT CGA GAC Ala Aou Ang Ang 270	670
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225	 2.30	235	and ned mate median	
			AAT GIG ACC CCA Ann Val Thr Pro 255	766



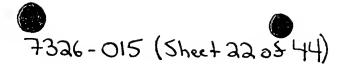
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yan yvc	CTT Leu Jus	V I'u CCC	λλC 1.yn	alii ava	VI a	λνς 1.γη λνς	CVI	V I H	ነ-ትብ ህህር	GGT.	ለርፐ 5ቀር 115	νι-đ γረር	να να	1. Y II	1.7. u VVC	950 
TCT Sec	CT C Lou	VGL 201	GAG GLu	ΛΛς 1.γπ	GTC Val	CVV	CTG Leu	TCT Sec	GVC	AGT Sec	TCA Ser	GTA Val	ACT The	ארר ויסין	T'CC	1006
120				•	325					330					335	
CCT	GTT Val	vuli GVL	TCC	CTA Leu 140	GAA Clu	TCT	CCT	III u CVC	ACC The 145	TAT Tye	CTT Val	TCC	<b>አ</b> ጣኒ፡ ር	ACC The ACC	ACA MCA	1054
TCC	TOT	CCV L.co	ATC Het 355	717 110	NCN The	TCC	CCT ltro	GCG G l y 360	ATC 11e	TTA Low	CVC	VI a	1'CA 5ec 365	CCC Pro	ν ννC	1102
cet Pro	ATG Hel;	TTC Lev 370	νla σcc	ACT The	V) u	VI a	CCT free 375	CCT Pro	νla	CCA tro	GTC Val	TAD e Ju	Λla	GIn	111 u	1150
vla	CIA Leu Jus	TCT Ser	TTT	TCT Ser	удп уус	390 too 370	CVL	G Į II G V V	NTG Hali	CNG Clu	CCT Pro	TT C Leu	QCV VI a	III a	ชช ชา <i>y</i>	1198
GCC Ala 400	San Vac	ACT Thr	CTC Val	CTT Leu	CCC Pro 405	TCA Ser	GTC val	See.	CIII	1"TG Leu 410	Len	TCC Ser	II] u CVC	III'u CVC	CAC 111 a 415	
Λ1Τ 11ο	CTC Val	TCT	CCA Pro	ggc gly 420	NGT Sec	GIY	AGT Sec	GCT A La	GGA Gly 425	AGC Sec	116 1.40	NGT Sec	y L à VCC	CTC Leu 430	II Tů CVI	1294
ቤቴው ፍርኒሃ	CTC Val	CCA Fro	GTC val 435	l, t.u CCV	vev vev	Vali GVI.	Top	ATC 11gt 140	учи уус	yı. ü CüC	ATC Hel;	G L n G V G	010 Val 445	Van	e Lu Gve	1342
ACC	CVC CIU	TAC Tye 450	ν u ii ν ν .t	c I u c v c	VLG NLG	TTT	ССТ С1у 455	ATG Hel;	GTC Val	016 Lgu	CCT Ala	CCA 1 co 460	Ma	GAC C1u	იიი ი1 y	1,190
ACC The	CAT III a 465	CCT I'ro	C L Y	116 V1.V	v f a	CCC Pro 470	CVC	yàc yàc	νιά νάα	l, í. o CCV	CCT 1 to 4 7 5	C) " CVV	666 61 y	l γα Λ <b>ν</b> α	lij'a CVC	1430
710 11e 400	The The	λCC Tir	CCT Pro	vi.d ccc	CAC Clu 405	Tro	TTC Leu	lina CCC	CCC Pro	7116 716	Val	ACT The	T1C	CAG C1u	C1:C	
11°	CC I Pro	η Γλα	dad dly	700 265 200	114 V11	OCC N1a	G I II CVV	ככֿא וייס	GCC A1 a 505	CCC	CCT Ala	CCC	CAC Clu	cer Pro 510	CNC	15.14
TCC Ser	ACC The	C y n	CCT Pro 515	L.co CCV	VI a	GTT Val	CCC Ala	00C 01γ 520	CCC Pro	CT <b>C</b> Lou	D n o	ACC 1hr	7/10 Het 575	$T\gamma  c$	CVC CVC	15112
811 11.	gen Pro	CAA C10 540	Mot	oct.	Ved CGL	7.1G 1.00	000 800 535	NC1 Sec	CTC Val	CCT Ala	E)C Clos	000 000 940	act He	occ Ma	N1G Ret	1630

### 7326-015 (Sheet 210544)

### FIG. // CONT'D

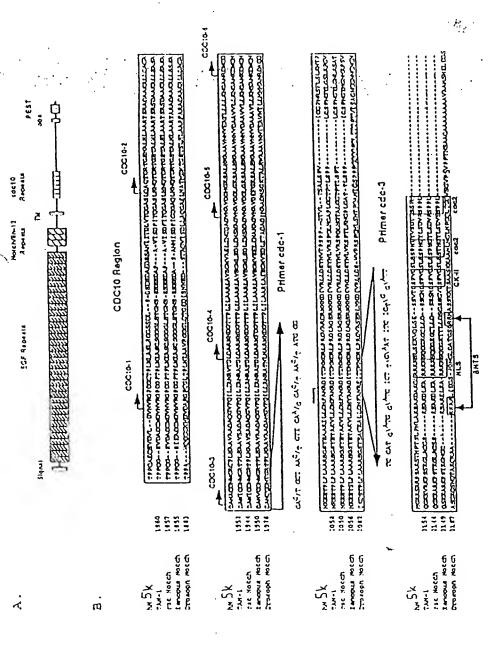
ATG CC Het Pr 54	o Gln															674		
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tila so	T 1777	CCT	TCC Sec 500	TCA Sec	אחד אווו	oci Ma	CCT	610 610 585	yı.d Cüv	ħÇħ Tĺtr	CCC Pro	AGT See	590 590	ACT Sec	; `	1774	٠.	
COT CA	c CTC	CAG G1:1 595	GGT Gly	G / ii GVC	CVI. U∛u	nu o CCC	Tyc GOO	CTC Len	NCA Thr	Lto CCV	TCC Squ	602 602 604	G l'u GVG	TCT Ser		1022 ,: \		
CCT GA		Trp													·	1870	,	
CAT CT Anp Va 62	1 The	The	NGC NGC	CCT	ACC The 630	CCT	CCC Cly	CCT	CCT Ala	635 635	GCV	CCT Cly	CI II	y £ å GGG		1911		
GCA CC Gly Pr 640										Van						1966		
TAT GO		CVCV	C1,C	CVCC	TCCA	ст с.	LVĊV	<b>ピ</b> かCか	T VV	CTCA	CTTT	тст	. רעעע	CCT		2022		
CCTCVC	GVVC	νννι.	CVVC	CT C	V1.CC	CCCV	c vc	עעעז	CVVC	ννν	1.C1.C	TCC	ναcc	NCCTT	·c	2082		
TVCVCC	TVCC	νννα	νανν	CV 1.	CT1C	TTNT	τcν	GΛTΛ	VICC	ννα	νανν	CCV	NTTC	CTCNC	T	2142		
TICVCI	CCT	лтст	.ccvv	cc c	ττλτ	1.CVI	τ ντ	тстл	νтст	νντ	vvev	CVV	CITI	CTCCA	ıν	2202	•	
VICCVI	CV1.C	νντν	CVVC	cc T	1 <b>0</b> 00	1.CCV	T GT	TINC	TCTC	TTC	TATT	TCC	νανι	/I.VVGV	T	2262		
CCVICC	TATE	τανν	ccc	vc v	CVIT	CTIG	ם אם	CTTC	GNCT	CCV	1111	.vvG	cccı	CCVCC	C	2322		
TTCTGG	CV.1.V	.tccv	J.C.V.C	νν α	VITC	エルCV	(: 1.v	הנהד	.ccr.e	1.10	CCVV	TTN	TCCC	CTGGI	\ <i>T</i>	2382		
TTCTGC	CICV	VL1.C	NCCT	VC C	CVIC	TCCT	c cī	CCTI	CCVC	דדת	CTTT	TCT	CTT	CATTTO	Ç	2442		
TCCTTT	TCGT	TTTC	cvcc	TC I	ccct	CVLL	C IV	יככככ	TACC	, אככ	VICI	TAT	VCCC	CUVCI	/C	2502		
CTTTCT	CCTT	TTCA	TCNT	TC 1	ccc	CV1.C	עע ע	CCVV	CTTI	CCI	CICC	: 1 1 1 :	ccc	стссто	T	2562		
сттссо	CCLV	тссс	CTTCC	VC I	.C1.CV	CVVC	c 11	TVCI	1700	ועיו:	.cc11	стс	VCC	νςννν	cc	2622		
TTTCVI	CIVI	CTTC	:1110	TT 1	.αςνν	איז.כ	C VC	אדאכ	TCTA	17.0	тстт	стс	CTC	CNTNT	١T	2682		
CVILCO	CTGGA	CVCV	/¢ አላር	cc c	νανν	CVVI	v CI	ттт	TTC	V VCV	ודתת	ттс	CCC	CCVCC	v.c	2742		
<b>NTCCC</b>	ICVV	CVCC	CTCC	אכ כ	מעדי:	TTT7	T CI	TCTC	TOTO	TCC	מסמז	CTT	CNT	עעענע	CT.	2802		
111000	CCVV	CVVC	CCTC	TC V	GTTI	CTIC	T 11	1101	CTCI	. אזכ	cccc	CTCC	TCN	CICIA	νν	2862		
CTTTT	J.GC.L	1.CV1	νςτο	TΛ G	TINC	TNIC	<b>v</b> cc	CTCC	CCVC	tri		νν <i>ν</i>	CUV	CVVVV	VC	2922		٠
61.1.1.60	STANTS	TTCC	. <b>v</b> v.r.c	VC C	NACA	יכעכע	Λ C7	.J. V V C	CTCCI	CC1	<b>, V</b> C V(	:CCV	CTT	v C C C V	cc	2982		
CVCVCC	.1. <b>C</b> CC	CCIV	/C T 1.C	CT G	CCVV	GCNT	T CC	אדדמ	evc1.0	cc.	CLV.	LCCV	vcv	CNTTT	C T	3042		
CCCVCI	TCTG	VCCV	<b>1</b> .1.C1	ŊG C	CCTG	эттс	N CT	CVC	Leve	CV	:CV1	VICV	ννα	ancic	T'T	3102		
ννζισι	Licyd	CCT3	L.L.C.C.I	.т.т. (	ועגעו	.CCVC	() A	/VCV(	`` <b>v</b> C1(	: TC	GVV	мст	161	VCCCL	10	3162		

THA ILA



#### FIG. 11 CONT'D

CCATITAGGA CTGAACTITC CTTAGCCCAA GGGACCCAGT GACACTIGIC ITCCGTTTGT 3222 CAGATGATCA GICTCIACIG ATTAICITGC IGCTTAAAGG CCIGCICACC AATCITICIT 3202 ACVENCEGIC LEGISCOLGI INCLEGIVIN CCCVCINICI LCICVCLGVV CVCVICGVCI 3342 TEVENTELLE VVGLCCVCCV, VILCCVVVCL , IGCVCLLCIL, LICINICVIC, CVVVCVCCC 3462 CINTAGANG GTTGGAAAAG GAGGAACTAT ATAGCAGCCT TTGCTATTTT CTGCTACCAT 3462 TICTITICCT CIGNACCGGC CATGACATTC CCTTTGGCAA CTAACGTAGA AACTCAACAG 3522 ANCATTITICE TITICETAGAG TEACCITTIA GATGATAATG CACAACTATA GACTIGETEA 3542 TIGITCACAC TGATTGCCCC TCACCTGAAT CCACTCTCTG TATTCATGCT CTTGGCAATT 3642 TOTTTONOTT TOTTTTANGG GCAGAAGCAT TTTAGTTAAT TOTAGATAAA GAATAGTITT 3702 CTTCCTCTC TCCTTGGGCC AGTTAATAAT IGGTCCAIGG CTACACTGCA ACTTCCGTCC ACTICTICA TOCCONTONE ACCTOCANAN TANGETETIC CTGGGCATTT TOTAGATATT 3822 ANCNEGICAN TICCCGNCIC TITTGGTITG ANIGNCACTT CTCATTCCTI CINTGGCIGC 3802 ANGINIGENT CAGIGCTICE CACTIACCIG ATTIGICICI EGGIGGECCE ATAIGGAAAC 3942 COTOCOTOTO TOTTOCONIN NINGITINGN NNIGGITITI TONGICOTNI CONNNITINI 4002 TENNECONEN ANANTANTIA CITCIGCCCT GAGATAAGCA GATTAAGTIT GITCAITCIC 4062 TECTITATIC TETECATETE GENACATICI CICAGECTET TICATAGICI GENAACATII 4122 TATCATTCTA AATGCTCACT CTCTGCCCTT GGACCCATTT ATTATTCACA GATGGGGAGA 4182 ACCINICISC AUGGACCCIC ACCATECTET GUGCAGCACA CACAGUGAG GGAGCAAGUG 4242 GCGVLCCCCV LCVCLLLCLL CCCCLC 4268



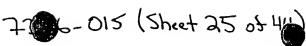
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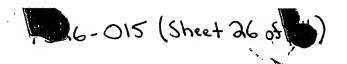
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FIG. 128 CONT'D

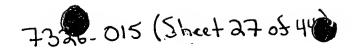


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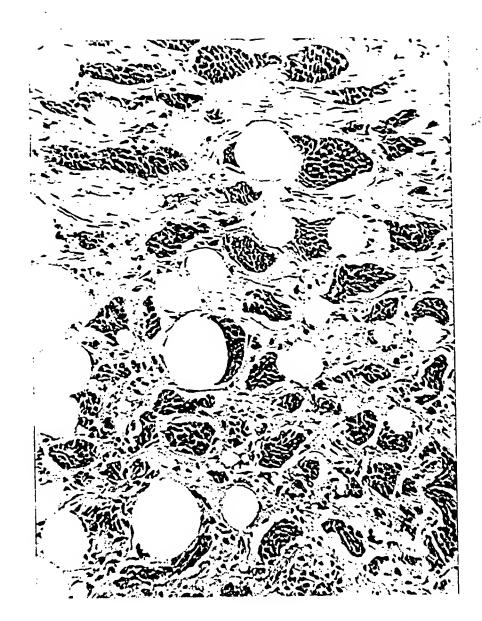
### FIG.13 cont'D

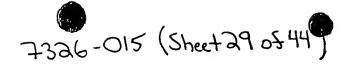
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	NCMIROS GHRÜTGNGF, YOKNGELSOG  -STPPATL SQYCADGARD -GADRDIPPP LIEEAE LPEQEDAGN -GAGRAIPPP DNDDTE NEGESELDN SGSGNDRYAA DLEGGRAPED KRGCTEKGON SEEGGHDGLD, CAROPEN-L AEGTLVIVAL SAEGERÖDLD, CARNPER-L AGTL-VVVV NAEGERÖDLD, CARNPER-L AEGTLVIVAL	NACESMULLE CHANTOPPE ACCORDENTED HUMBELYNTE EIDNRQCYQD SDHCFWYTDA HUMBELYNT EIDNRQCYGA SSQCFNSATD HUMBELSTYLL EIDNRQCYGA SSQCFNSATD FYGGILYL EIDNRACTEC FTHAVEAREF ELGEDSVGIK PLK-NASDGA LHDROQNE-HIMPOSE FYDDRQWE-HIMPOSEGY GQPGAHW	DLEDEDER - DSANITTDL ETCHSEE - DSANITTDL ETCHSEE - DSANITTDL DTGEDIENE DSTACVISOL DIGGENAL VENICASALH LINSHARMA VENICASALH LINSHARMA VENICASALH ETCHSARMA VENICASALH ETCHSARMA VENICASALH ETCHSARMA VENICASALH	ALSPV TLSPP GSPPPGQQQP
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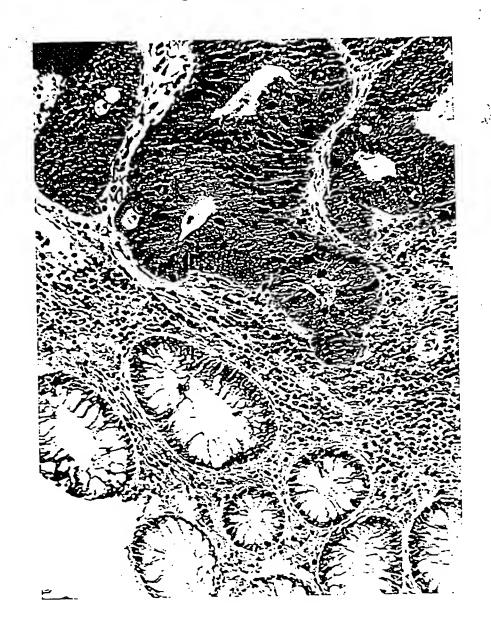
### FIG.13 cont's

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AL00	YQGI YQAI	PES Treps	1.				
SNLHEH A-KPEN T-KQEH	Sords	a svcky Vtaaqf Httaqf	QAFYQY				
H ALSE H LNVA H INMA P GVLP	× 25 € 2	YH PFP SL VPP NL TQS	SO KNO				
TISPOLOAS PNPHL-ATA APPAPVHAQH ALSFSHLHEH Q	HOSLOGNGLD HIXLDNYAYS NGESFF 100- LLWGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	PEST-containing Region Accessive assessment of the property of	TWILSPS				
ATA AP LPG HP LTS HE	IPGI AI	2000	SSP				
PSYPLAH PSHPLAH	PAEG-TH -NYGPLA LMTS-LI	TAMMPO HTILPO	DSHSSO DSHSSO				
\$ 500 \$ 500 \$ 500	25 25 25 25 25 25 25 25 25 25 25 25 25 2	NGGGVV PSVAFP PSSLAV	PSI	•			
ITSPO LESPE HTSPE	STON NOON	LOGA H ARL-	C CONT	XXX IXI			
	DNYAYS IEVNETO SVAPOPL	SNLNSI	DISCTO	GACCGGK CPCIPESTYSWQ SQIARIPEAFKSWQ PQRTHIPEAFK ANLYISGG HQANKGSEAIY			
	MIXL HANRY P LRGS	)X QFCX	PF CSS	5 5 5 5 5 5 5 5 5 5 5 5			
	LOGNGL.	IRHATO AGPLPTI SCHLOR	TTSTHINSPE CSSDISQTDL QQH35NV SAGLDLNG-F CGSPDSFHSG QMNPPS	TITOMOGOGIA COLUMNIA DE LA COLUMNIA DEL COLUMNIA DE LA COLUMNIA DEL CO			
	SS MOS GV PV PV PV PV PV PV PV PV PV PV PV PV PV	HI QAY	Ero SA	SSP PT SSP PT SSP PT NOSP AA			
	CK II GSACSLSRLH GOCEMLSRLD	LITSPI	HOODHWN-SS OOGLOGLEFG	SDA SECUSSP SDA SECUSSP SDA SECUSSP SDA SECUSSP	· · · · -		
; ;	용한 옷질	SO PS	:¥8 l	<u>க்குக்கை</u>			
	z .	, Z 7.	a z z	= - 2 <sup>2</sup>			
hun B TAN-1	Xen N Dros hum N TAN-1	Dros N	TAN-1 Xen N Oros N	hum D TAN-1 Xen N Dros N			





### FIG.15A



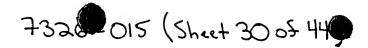


FIG. 15B

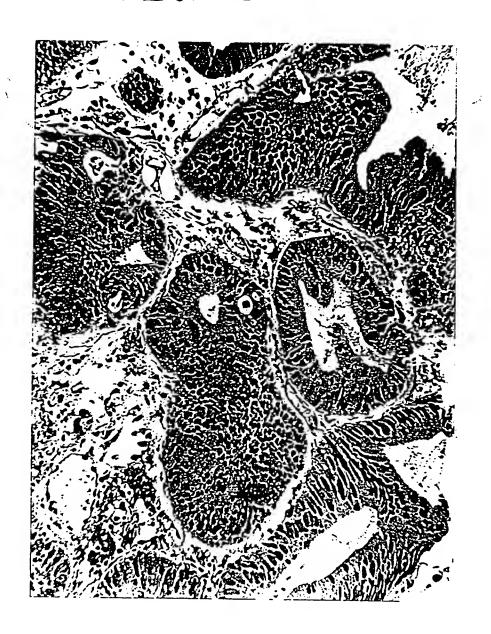


FIG. 16A

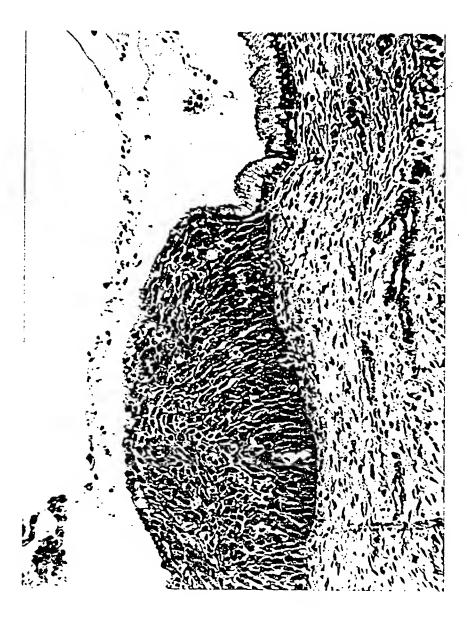
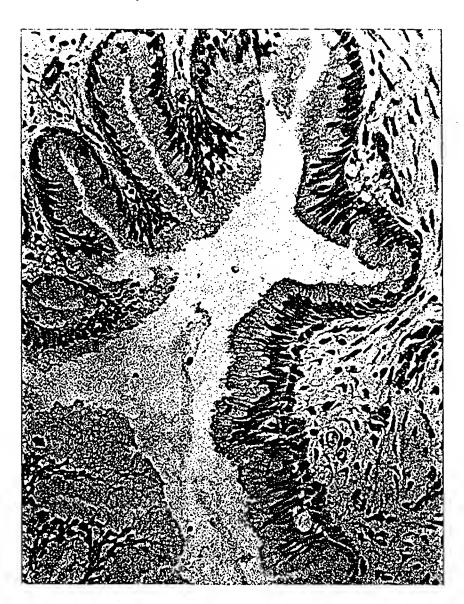


FIG.16B





90 * ATTCCAGTGT L Q C>	180 * AGGCTTCTTG G F L>	270 * GGGAAAGCC G K A>	360 * CCTGAATGGC L N G>	400 410 420 430 440 450 * *	540 * AGGGCAGAAA G Q K>	630 * CCAGTGCCAG Q C Q>	720 * CTGTCGGCAG C R Q>	810 * TAACCACAGG N H R>
80 * CCGCGCATGC P A B A	170 * AATGTCCAGA K C P E	260 * AGGCCATGCT Q A M L	350 * CTCGACCCTG S R P C	440 cccaatgeac c o w t	530 CAGGCTTCAC T G F T	620 * CTGGTTCCTA P G S Y	710 * ATGGAGGCAC N G G T	800 ATGACTGCCC D D C P
70 TOCGCGGCCC C A A	160 GGATACTCCA G Y C	250 TGTGTGGCC C V A	340 TGCTTTGTGT C F V	430 GGTAAGGAGT G K E	520 * AAATGCCTCA K C L	610 * CTCAACCTGC L N L	700 CCTTGTGTCA P C V	790 * AGGAATATTG R N I
60 * CTGGCTGTGC W L C	150 CAATGGCACA N G T	240 * resresacr G G r	330 * ATCTCATCCA S H P	420 * CGGGTTTACA G F T	510 ¢ GIICICCIGC F S C	600 * TGGCACCTGC G T C	690 * TGCACCCTCA A P S	780 * CACCTGTGAG T C E
50 TGCTGGCGCT L L A L	140 * TTACCTACCA V T Y H	230 * GCTGCCAGAA R C Q N	320 * AGTACTCAAC Q Y S T	410 * CCTGTCAAGT T C Q V	500 * TGGCCAACCA V A N Q	590 * GCCAGCATGG C Q H G	680 * ATGTGCCTG Y V P C	770 * TTGAAGGGAG F E G S
40 * crgreecec L W A	130 * GGAATGTGTG G M C	220 * GAGAAGAACC E K N	310 * GAGGACTGCC E D C	400 * TATGAGTGCA Y E C	490 * TGTACCACTG C T T	580 * CCAGGACACT P G H	670 * GACAGCCTGT D S L	760 CTTCCAGGIT L P G
30 * ccccccrcrc P A L	120 * TGTAAATGAA V N E	210 * AGACCCCTGT D P C	300 * GTTTACAGGA F T G	390 * CCGGGATACC R D T	480 * TGGAAGTACC G S T	570 * GTGTGACAIT C D I	660 CCAGTACTGT Q Y C	750 * GTGCAACTGC C N C
10 20 80 90 40 50 60 70 80 90 80 40 50 20 20 20 20 20 20 20 20 20 20 20 20 20	100 110 120 130 140 150 160 170 180 180 180 180 170 180 180 170 180 180 170 180 180 170 180 180 180 180 180 180 180 180 180 18	190 200 210 220 230 240 250 270 270 270 270 270 270 270 270 270 27	290 300 310 320 330 340 350 360 360 360 360 360 360 360 360 360 36	370 380 390 * CACATECT ATATECTICAS CCGGGATACC	460 470 480 490 500 510 520 530 540  * * * * * * * * * * * * * * * * * * *	550 560 570 580 590 600 610 620 630 630 590 590 590 590 630 530 530 530 530 530 530 530 530 530 5	640 650 660 670 680 690 700 710 720  * * * * * * * * * * * * * * * * * * *	730 740 750 760 770 780 790 800 810  * * * * * * * * * * * * * * * * * * *
10 *	100 * rAGATGGCT	190 * GGAATATT	280 * GTGCCGAT	370 scacarecc	460 * GTCTCATC	550 * TGAGACTG	640 * CCCTCAGG	730 * TGGTGACT ? G D

900 * CACAGAGGAT T E D>	990 * ATGTGTCAAC C V N>	1080 * CCGTGTGGCC R V A>	1170 * CAAGGGGGA K G A>	1260 * TGTGGATGAA V D E>	1350 * GAAGGGTTAT K G Y>	1440 * TGGAGGCITC G G F>	1450 1460 1470 1480 1490 1500 1510 1520 1530  A ACATGECCIG GCATGECATTER AATTAGAAT AAATGAATGE CAGAGCAACC CTTGTGTGAA CAATGGGCAG  T C L C M P G F K G V R C E L E I N E C Q S N P C V N N G Q>	1540 1550 1560 1570 1580 1590 1600 1610 162 TGTGTGGATA ANGTCAATG TTTCCAGTG CTGTGTCCAG TTGCCAGATT ACCAGATT ANGTCAATG CTGTTCCAGT C V D K V N R F Q C L C P P G F T G P V C Q I D I D D C S S>
820 830 840 850 860 870 880 890 900  * * * * * * * * * * * * * * * * * *	910 920 930 940 950 960 970 980 990 990 990 990 990 990 990 990 99	1010 1020 1030 1040 1050 1060 1070 1089  * * * * * * * * * * * * * * * * * * *	1090 1100 1110 1120 1130 1140 1150 1160 1170 170 ***  ***  ***  ***  ***  ***  ***  **	1180 1190 1200 1210 1220 1230 1240 1250 1260 ***  CTGTGTGACA CCAACCCCCT AAATGGGGAA TATATTTGCA CCTGCCCACA AGGCTACAAA GGGGCTGACT GCACAGAAGA TGTGGATGAA L C T C P Q G Y K G A D C T E D V D E>	1270 1280 1290 1300 1310 1320 1330 1340 1350 1350 1350 1350 1350 1350 1350 135	1360 1370 1380 1390 1400 1410 1420 1430 1440  GCAGGACCTC GTTGTGAGAT GCACATCAAT GAGGCCTT CAGACCCTC CCAGAATGAT GCTACCTGTC TGGATAAGAT TGGAGGCTTC A G P R C E M D I N E C H S D P C Q N D A T C L D K I G G F>	1520 * CTTGTGTGAA P C V N	1610 * ATATTGATGA D I D D
880 .* CAATGGACAG Q W I	970 * AATGGAGGCT N G G	1060 * ccagecrcca P G S	1150 TGCATCAGCA C I S	1240 * GGGCTGACT G A D	1330 * GCCTTCCACT A F H	1420 * GCTACCTGTC A I C	1510 * CAGAGCAACC Q S N	1600 TGCCAGATTG C Q I
870 CIGTCCCCCA C P P	960 TGCCAACCGC A N R	1050 * CTCCTGTACT S C T	1140 ¢ GGATGATGCA D D A	1230 * AGCCTACAAA G Y K	1320 CACGGATGGC T D G	1410 CCAGAATGAT Q N D	1500 * AAATGAATGT N E C	1590 TGGGCCAGTT G P V
860 * ACAACIGCCG Y N C R	950 GGGCCACCTG	1040 * GRGCCITCGC C A F A	1130 * TGTGTCATCT L C H L	1220 * ccrcccaca T C P Q	1310 * AATGTGTGAA K C V N	1400 CAGACCCCTG S D P C	1490 * AATTAGAAAT E L E I	1580 CEGGITTCAC P G F T
850 * GICAACACIT V N I	940 * TGTCAAAATG C Q N	1030 * ATTGATGATT I D D	1120 ¢ GCAGGTCTCC A G L	1210 TATATTTGCA X I C	1300 * CATGCAGGAA H A G	1390 * GAGTGCCATT E C H	1480 * GTGCATTGTG V B C	1570 * CTGTGTCCTC L C P
840 * TGTGGATGGG V D G	930 * GCCCAATGCC P N A	1020 * CAGTGAGAAC S E N	1110 * AGAGGGGAAG E G K	1200 * AAATGGGCAA N G Q	1290 * TCCTTGTGAG P C E	1380 * GGACATCAAT D I N	1470 * TTTCAAAGGT F K G	1560 TTTCCAGTGC F Q C
830 * GAGGGGTTG	920 * GCCTGCTGCA C L L Q	1010 * GAGATGACTG	1100 * GCATGTGCCC C M C P	1190 * CCAACCCCT T N P L	1280 * CCAATAGCAA A N S N	1370 * GTTGTGAGAT R C E M	1460 * GCATGCCAGG C M P G	1550 * AAGTCAATCG K V N R
820 * TGTCAGAATG C Q N	910 * CTGGATGAAT V D E	1000 * GCTGGAGTG G	1090 * rccrrcrcrr s F S	1180 * CTGTGTGACA I C D	1270 * TGTGCCATGG C A M	1360 \$ GCAGGACCTC A G P	1450 * ACATGTCTGT T C L	1540 referesara c v D

1710	GITGIGIGAG L C E>	1800	CAATCCCGGG N P G>	1890	GGTCAATGGC V N G>	1980	CCATGGAATC H G I>	2070	GTGTGCCTCC C A S>	2160	CACCTGCTAC S C Y>	2250	TGATGCAGGC D A G>	2340	GCTGAATGGA V N G>	2430	TACAGETGTA CITGCAAGAA GGGCITTAAA GGCTATAACI GCCAGGIGAA TAITGAIGAA IGIGCCICAA AICCAIGGCT GAACCAAGGA Y R C I C R F G F K G Y N C Q V N I D E C A S N P C L N Q G>	. 2520
1700	TCACTGGTGT F T G V	1790	GAGAACATTS ACAACTSTGA CCCCGATCCT TGCCACCATG GTGGTGTATT GATTCCTACA CCTGCATCTG CAATCCCGGG E N I D N C D P D P C H H G Q C Q D G I D S Y T C I C N P G>	1880	TACATGGGG CCATCTGCAG TGACCAGATT GATGAATGTT ACAGCAGCC TTGCCTGAAC GATGGTCGCT GCATTGACCT X M G A I C S D Q I D E C Y S S P C L N D G R C I D L	1970	TACCAGICCA ACTGCCAGCC AGGCACGTCA GGGGTTAATT GTGAAATAA TITTGATGAC TGTGCAAGTA ACCCTTGTAT CCATGGAATC Y Q C N C Q P G T S G V N C E I N F D D C A S N P C I H G I>	2060	IGIAIGGAIG GCAITAAICG CTACAGITGT GICTGCICAC CAGGAITCAC AGGGCAGAGA ISTAACAITG ACAITGAIGA GIGGCCTCC	2150	AATCCCTGTC GCAAGGGTGC AACATGTATG ATGGTTTCG CTGTATATGC CCCGAGGGAC CCCATCACCC CACCTGCTAC	2240	TCACAGGTCA ACGAATGCCT GAGCAATCCC TGCATGCATGTAC TGGAGGTCTC AGTGCATATA AGTGTCTCTG TGATGCAGGC S Q V N E C L S N P C I B G N C T G G L S G Y K C L C D A G>	2330	TGGGTTGGCA TCAACTGTGA AGTGGACAAA AATGAATGCC TTTGGAATCC ATGCCAGAAT GGAGGAACTT GTGACAATCT GCTGAATGGA w v g i n c e v d k n e c l s n p c q n g g t c d n l v n g>	2420	ATCCATGCCT N P C L	2510
1690	GCCACAGGIT A I G	1780	GATTCCTACA D S Y	1870	GAIGGICGCI D G R	1960	TGTGCAAGTA C A S	2050	TCTAACATTG C N I	2140	CCCGAGGGAC PEG	2230	agtggatata S G Y	2320	GCAGGAACIT G G I	2410	TGTGCCTCAA	2500
1680	ATCCCAGTGT C Q C	1770	GGATGGTATT D G I	1860	TICCTICAAC C L N	1950	TITIGATGAC F D D	2040	agggcagaga g Q r	2130	CTGTATATGC C I C	2220	TGGAGGTCTC G G L	2310	ATGCCAGAAT C Q N	2400	TATTGATGAA I D E	2490
1670	ATGCTATGA N G Y E	1760	ercaenenca e o c o	1850	ACAGCAGCCC Y S S P	1940	GTGAAATTAA C E I N	2030	CAGGATTCAC P G F T	2120	AIGGITTCCG N G F R	2210	GAAACTGTAC G N C T	2300	TITCGAAICC L S N P	2390	GCCAGGTGAA	2480
1660	GATCACCCGA D H P	1750	TGCCACCATG	1840	CATCAATCTT D E C	1930	GGGTTAATT G V N	2020	Gretecteae v c s	2110	AACGGTGTGA N G V	2200	TGCATCCATG C I B	2290	AATGAATGCC N E C	2380	GCTATAACT G Y N	2470
1650	AAAGTGTATC K C I	1740	CCCCGATCCT P D P	1830	TGACCAGATT D Q I	1920	AGGCACGTCA G T S	2010	CTACAGITGT Y S C	2100	AACATGTATC T C I	2190	GAGCAATCCC S N P	2280	AGTGGACAAA V D K	2370	GGCTTTAAA G F K	2460
1640	TGAATGGGGC	1730	ACAACTGTGA D N C D	1820	CCATCTGCAG	1910	ACTGCCAGCC N C Q P	2000	GCATTAATCG G I N R	2090	GCAAGGGTGC R K G A	2180	ACGAATGCCT N E C L	2270	TCAACIGIGA INCE	2360	CITCCAAGAA T C K F	2450
1630	ACTCCGTGTC TGAATGGGC AAAGTGTATC GATCACCCGA ATGCCTATGA ATGCCAGGTGT GCCACAGGTT TCACTGGTGT GTTGTGTGAG TPC LNGA KCIDHPNGY ECQCATGCCTATGA	1720	GAGAACATIG E N I	1810	TACATGGGCG Y M G	1900	TACCAGIGCA Y Q C	1990	TGIAIGGAIG C M D	2080	AATCCCTGTC N P C	2170	TCACAGGTGA S Q V	2260	TGGGTTGGCA W V G	2350	TACAGGTGTA Y R C	2440

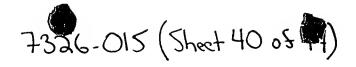
				•					
TCCCTGTTCC	2610 6CAAGGTCAG Q G Q>	2700 * CATGTGTGAA M C E>	2720 2730 2740 2750 2760 2770 2780 2790 2790 2790 2790 2790 2790 2790 279	2860 2870 2880 * A A A A A A A A A A A A A A A A A A A	2900 2910 2920 2930 2940 2950 2960 2970 2970 2960 2970 ***  * * * * * * * * * * * * * * * * *	3040 3050 3060 * * * * * * * * * * * * * * * * * * *	3070 3080 3090 3100 3110 3120 3130 3140 3150  * * * * * * * * * * * * * * * * * * *	3160 3170 3180 3190 3200 3210 / 3220 3230 3240 * * * * * * * * * * * * * * * * * * *	3330
cagtatises T V L A	2600 * CTCCTGGCTG A P G W	2690 AGGGCAGCTA Q G S Y	2780 * ATGGAGGITC N G G S	2870 * AGTGTCTGAG E C L S	2960 * TCCATTGTGA V H C E	3050 rereceret r c P V	3140 * ATCCCTCGG D G L G	3230 CTAAAAACAA C.K.N.K	3320
AATTGTCAGA N C Q	2590 TGCTTGTGTG C L C	2680 CATAACACCC H N T	2770 * CCTTGCCAGA P C Q	2860 * GACATGAATG D M N	2950 * TTTGATGGAG F D G	3040 TTCTCTTGCT F S C	3130 ACGTGTGTTG T C V	CGGTCTCCAT R S P	3310
CACAGGCAAG T G K	2580 * GAGTTATACE S Y T	2670 * TGGTCTCTGC G L C	2760 ccrrcccaar L a N	2850 greccagaca c Q T	2940 ccasscassa Q A G	3030 GATTAACTCC I N S	3120 * GAATGAGGGA N E G	3210 TCTCTGCAGT (	3300
TGCTGCCATA	2570 2580 2590 2600  CANAITITGA GAGITATACT TECTTGTGTG CTCCTGGCTG  P N F E S Y T C L C A P G W	2660 2670 2680 2690 2700 * * * * * * * * * * * * * * * * * * *	2750 TTGATGACTG I D D C	2840 * CTGGGGATAA T G D K	2930 CTTCCAAGTG T C K C	3020 * GTGTTGATGG C V D G	3110 * ATCCATGCCT H P C L	3200 CCCTGGTGAA T L V N	3290
TGCCACTGTG	2560 AAAGAGTCAC K E S	2650 * TCCAAGCCCT S K P	2740 * GAGGAGGACA E E D	2830 * CCGGGTTTCA P G F	2920 * AACAGTTACA N S Y	3010 GGTGGCACAT	3100 * TGCAGCICIC C S S	3190 AACTGTCAGA N C Q	3280
TGGCTACACT G Y T	2550 * TGCTGTTTGC A V C	2640 ccasrstarc E C I	2730 * TATGGACTGT M D C	2820 ccrcreccrr L C L	2910 TGACTACGTC D Y V	3000 * CTGTTTCAAT C F N	3090 * GATCAATGAA I N E	3180 * CACTGGGAAA T G K	3270
* * * * * * * * * * * * * * * * * * *	2540 2550 2560 * * GIGAGAATGC TGCITITGC AAAGAGICAC C E N A A V C K E S	2630 2640 2650 * * TICACATICA CGAGIGIAIC ICCAAGCCCT I D I D E C I S K P	2720 * GCTTCAGIGG G F S G	2800 2810 2820 2830 2840 2850 2850 36AGGAGAAAA GTGCCAGACA G A T F S C L C L P G F T G D K C Q T	2900 * GGACCTGCTC G T C S	2980 2990 3000 3010 3020 3030 * * * * * * * * * * * * * * * * * * *	3080 * GCCTCCATGA C L H E	3170 * CCCTGGGCTA P L G Y	3260
ACCTGCTTTG T C F	2530 * CCAAACCCTT	2620 CGGTGTACCA 1 R C T 1	2710 * TGTCCACCAG C	2800 * GGAGTGAATA	2890 * AAGAATGGAG (	2980 * AATGAGTGCA N E C	3070 * GGATCCTICT	3160 * TGCAGCTGCC C S C	3250

CTGTGGACAA C G Q> GIGAAAIGIA GGAAGGGGGA GCAGIGIGIG CACACCGCCT CIGGACCCG CIGCIICIGC CCCAGICCCC GGGAÇIGCGA GICAGGCIGI CTGIGIGITI GCCGTAGIGC CTITACIGGC CGGCACIGIG AAACCTICGT CGAIGIGIGI CCCCAGAIGC CCIGCCIGAA IGGAGGAACI L C V C R S A F I G R H C E I F V D V C P Q M P C L N G G IP 3870 CAACGAGTGC CTCTCCAACC CCTGCACTGTA TACAGCTCAC CAATGACTAC NA CAACGAGCAGC CTGGACTGTA TACAGCTCAC CAATGACTAC NA CAACGAGCAGC CTGGACTGTA TACAGCTCAC CAATGACTAC NA CAAGGCAGC CTGGACTGTA TACAGCTCAC CAATGACTAC TGTGCCCGGG GTCCCCATTG CCTTAATGGT GGTCAATAGGAT TGGAGGCTAC AGTTGTCGCT GCTTGCCTGG CTTTGCTGGG C A R G P H C L N G G Q C M D R I G G Y S C R C L P G F A G> GTATCAAGIG CATCAGTCC AGAATCAGCC CTCCCAGAAT
Y E V D E C Q N Q P C Q N> ggaggcact statisact istgaaccai itcaasisci citscocacc aggcactos sectiant statisats  ${\tt Caagg}$  or  ${\tt Cabagg}$  GACATAGCA D I A> GCTCGCAACA CGCATTACTG TCAGTGCCCC TTCATTIGCC GIIGICCCC GGGATITICC GGGGAAGGI GCCAGAGCAG 3770 CAGCACGGGG CAACATGCAG Q H G A T C S TGTCCATCTG GAIGGCCTGG TGCCTATTGT GACGTGCCCA ATGTCTTGG C P S G W A G A Y C D V P N V S C 3670 3490 4110 3840 3480 CAACTCGAIG AGTGIGGGIC CAACCCTGC Q L D E C A S N P C 3660 CTGCATCAAT 3830 TATCAGGGTG TCAACTGTGA Y Q G V N C E 3740 3650 TIGIGCCAGC ACTCAGGTGT L C Q H S G V 3910 3730 3640 3550 CCCICATGGT P D G 3720 CTCGGAGCTA CTGTGAGGAG T G S Y C B B GGTGGATACA GATGCGAGTG TGTCCCAGGC G G Y R C E C V P G CCAGTGCCTA TGTTGAACAC 3540 TGTGCTGTGG CCAGTAACAT GAGCGTIGTG AGGGAGACAT E R C E G D I 3890 3620 3530 3440 TTCAGAAAA AAGCAGAGIC V Q K K A E S SCCTCCAGGA GAGGTGTGCT A S R R G V L 3610 CTGGGCTATA L G Y 3340

### FIG. FICONT'D

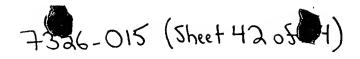
٥ ٥ ٧	4230	ATTCTCGGGT F S G>	4320	SCATGGCGTC D G V2	4410	CTGCTCCTCC C S S>	4500	ATGCCAGGGG	4590 * GGAGTGTGGT E C G>	4680	TGACCAACTG E Q L>	4770	GGAACTCATG E L ND	4860	ACAGGAGGTG Q E V>	026# \$	AGCAGGAGGE A A RZ
R D C E	4220	GCCAGTAGCC CCTGCCAGCA CGGGGGCAGC TGCCAGCC TCCTTATTAC TCCTGCCAGT GTGCCCCACC ATTCTCGGGT	4310	AGCEGCTGTG AACTCTACAC GCCACCCCC AGCACCCTC CTGCCACCTG TCTGAGCCAG TATTGTGCCG ACAAAGCTCG GGATGGCGTC $S$ $R$ $R$ $R$ $R$ $R$ $R$ $R$ $R$ $R$ $R$	4400	Tetertgage cetecracae ceatgeetge cagtgggatg gegetgaetg tetectae atggagaace cetegggegaa etecteetce ${ m c}$ or ${ m b}$ m ${ m b}$ m ${ m b}$ m ${ m b}$ m ${ m b}$ m ${ m c}$ m ${ m c}$ s s ${ m c}$	4490	CCACTTCCCT GCTGGGATTA TATCAACAAC CAGTGTATG AGCTGTGCAA CACGTCGAG TGCCTGTTTG ACACTTTGA ATGCCAGGGG	4510 4520 4530 4540 4550 4560 4570 4580 4590 4590 4510 4580 4590 4590 4590 4590 4590 4590 4590 459	4670	TGGATGGGC TGGACTGTC TGCTGACCAA CCTGAGAACC TGGCAGAAGG TACCCTGGTT ATTGTGGTAT TGATGCCACC TGAACAACTG $^{ m W}$ D G $^{ m L}$ D C A A D Q P E N L A E G T L V I V L M P P E Q L>	4760	CICLAGGATG CICGCAGCTT CIIGCGGGCA CIGGCIACCC IGCICCACAC CAACCTGCGC AITAAGCGGG ACICCCAGGG GGAACTCAIG	4850	GIGIACCCCT AITAIGGIGA GAAGICAGCT GCTAIGAAGA AACAGAGAI GACACGCAGA ICCCITCCIG GIGAACAAGA ACAGGAGGIG V Y P Y Y G E K S A A M K K Q R M I R R S L P G E Q E Q E V>	Q *	CHI DITTER THE THE TOTAL PRODUCTION OF CONTRACT OF CONTRACT OF CONTRACT OF THE TOTAL OF THE TOTA
4 S	4210	rccreccagr s c Q	4300	TATTGEGCG Y C A	4390	CTCTCACC ATGGAGAACC S L T M E N	4480	receientes c l F	4560 4570 * AACCAGGGGT N H C N Q G	4660	ATTGTGGTAT I V V	4750	ATTAAGCGGG I K R	4840	rccrrccre s r P	4930	recrreage c r x
C E C	4200	TCCTTATTAC P X Y	4290	rcrcagccag L S Q	4380	TTCTCTCACC S L T	4470	CACGGTCGAG T V E	4560 CAACCACTGI N H C	4650	TACCCTGGTT T L V	4740	CAACCTGCGC N L R	4830	GACACGCAGA T R R	4920	S O R
S 9 8	4190	AGCGCCAGCC Q R Q P	4280	CTGCCACCTG P A T C	4370	GGGTGACTG G G D C	4460	AGCTGTGCAA E L C N	4550 ACTTCAAAGA H F K D	4640	TGGCAGAAGG L A E G	4730	TGCTCCACAC L L H T	4820	AACAGAGGAT K Q R M	9165	Cremenses.
T A	4180	receacere c a P	4270	AGCACCCTC S T P	4360	CAGTGGGATG Q W D	4450	CAGTGTGATG Q C D	4540 * TGTGCAGACC C A D	4630	CCTGAGAACC P E N	4720	CTGGGTACCC L G T	4810	GCTATGAAGA A M K	4300	AACCGCSGT H H G
o o	4170	S 5 5 2000000000	4260	GGCACCCCCC	4350	CCATGCCTGC H A C	4440	TATCAACAAC I N N	4530 * TGACAAATAC D K Y	4620	TGCTGACCAA A D Q	4710	CTTGCGGGCA L R A	4800	GAAGTCAGCT K S A	4690	CONSTITUTION S
R G E	4160	CCTGCCAGCA P C Q H	4250	AACTCTACAC E L Y T	4340	CCTGCAACAG A C N S	4430	GCTGGGATTA C W D Y	4520 * CATGCAAGTA T C K Y	4610	TGGACTGTGC L D C A	4700	CTCGCAGCTT A R S F	4790	ATTATGGTGA Y Y G E	4850	THE TOTAL A
ບ ¥ >	4150	CLIGTAGCC S S	4240	ACCECTETE S R C	4330	TGTGATGAGG C D E	4420	ACTICCT L P	4510 ACAGCAAGA 1 S K	4600	SCATGGC	4690	rccaggard	4780	rgracccr / Y P	0.487	
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5040 *	CACTCAGCTC T Q L>	5130	GCATGGCTCT H G S>	5220	GCGCTGAAA G L K>	5310	occaargaaa P K K	5400	AGCTGCAGAC A A D>	5490	CCCAGATGGC P D G>	\$580	Techandar A N T>	5670	*  *  *  *  *  *  *  *  *  *  *  *  *	\$760	* CGGGCTGARG CTGCCTGGAT GCAGGTGCAG ATGCCAATGC CCAGGACAAC ATGGGCGCT GTCCACTGCTGCTGCTGTG CTGCCAATGC CCAGGACAAC ATGGGCCGCT GTCCACTGCTGCTGTG CTGCCAATGC CCAGGACAAC ATGGGCCT GTCCATGCTGCAGTGC CCAGGACAAC ATGGGCCT GTCCATGCTGCAGTGC CCAGGACAAC ATGGGCCTGTCCATGCTGCAGTGCTGAACCAATGC CCAGGACAAC ATGGCTCCAATGCTGCAATGCTGAACCAATGCTGAACAATGCTGAAACAATGCTGAAAAAAAA
5030	CTCCAGAACG ( T P E R	5120	GAAAGCGTAA R K R K	5210	AGGATGCTGT Q D A V	5300	AAGGGCCCA B G P Q	5390	AGCACCTTGĂ Q H L E	5480	ATGTCCGTGG N V R G	5570	AGGACTCITC E D S S	\$660	ACCTTGCAGC H L A A	5750	GTCCACTCCA C P L H
5020	SAATCCCTGA E S L	5110	ATGCCAAAAC M A K	\$200	ccagicggac P V G	5290	Grcgatgatg V D D	5380	TGGACACAGC W T Q	5470	TTAGATGTGA L D V	\$560	GAAGATGCAG E D A	5650	ATGCCCTGC MAL	5740	ATGGGCCGCT M·G R
5010	rercercage (	5100	SGGGGTANTC G V I	\$190 *	SCGTCGTGAG R R E	5280	TCAACACTGG E H W	5370	rcacggca R R P	5460	GGTGGATGTG V D V	\$550	TCATCAACAT D E D	5640	CACTGGTGAG T G E	5730	CCAGGACAAC Q D N
2000	rcrrgrgrc 1	0605	rratrcigci ( I I L L	5180	S N H K	5260 5270	CTGGAACAAG T G T S	5360	ACCCCATTGA D P I D	5450	CAGAGCAGGA A E Q E	5540	CAGATTTGAG S D L S	5630	AGACAGACCG Q T D R	5720	ATGCCAATGC D A N A
4990	TGTCATACC (	2080	ATTCTGTTTA	5170	CGAGATGCAA R D A	5260	CTAATTGGTA L I G	5350	GAAGAAGATG E B D	5440	CCTCCTCAGG P P Q	5530	GGAGGCAGCT G G S	5620	CTCCAGGCCC L Q A	5710	GCAGGTGCAG A G A
4980	ACAGGGGACC (	5070	* NOTIGICATC 1	5160	CACTCTTCGC (T. L. R.	5250	AGAAGCTAAC E A N	5340	CTTACTCTCA	5430	GGCTCTCACC A L T	5520	Treterecea s L R	5610	GGTGCCAGC G A S	5700	TCTCCTGGAT L L D
4970	CICCIGGCCI CICACGCCAT ACAGGGGACC CICTCATATICT TGTCGTCAGT GAATCCCTGA CICCAGAACG CACTCAGCTC TGTCGCTCA CICCAGAACG CACTCAGCTC TGTCAGTCA S A S A I Q G I L S Y P L V S V S E S L I P E R I Q L>	2060	TICCIGITGC	5150	TOTGGCIGC CIGAAGGITT CACICITCGC CGAGAIGCAA GCAARCACAA GCGICGIGAA GCGICGIGAG CCAGIGGGAC AGGAIGCIGI GGGGCIGAAA I W R R R R P V G Q D A V G L K>	5240	ATCICICAG IGCAAGICIC AGAAGCIAAC CIAAITIGGIA CTGGAACAAG TGAACACIGG GICGAIGAIG AAGGGCCCCCA GCCAAAGAAA N L S V Q V S E A N L I G T S E H W V D D E G P Q P K K>	5330	* * * * * * * * * * * * * * * * * * *	5420	* *** ATCCGIAGGA CACCATCGCT GGTCCTCAGG CAGACCAGGA GGTGGAIGTG TIAGAIGTCA AIGTCCGTGG CCCAGAIGGC A E Q B V D V L D V N V R G P D G> 1 R R T P S L A L T P P Q A E Q B V D V L D V N V R G P D G>	5510	rgcaccccat tratettegc tyctctccga ggaggcagct cagaittgag tgatgaagat gaagatgcag aggactcitc igclaalaic c t p l m l a 's l r g g s s d l s d b d b a b b b s s a n i>	2600	resteracea	2690	CTGCCAAGCG
4960	TCCTGGCCT (	5050	CHCTATCTCC TYGGTGTG TGTTGTCAT ATTAINCTGCT GGGGGTAATC AIGCCAAAAC GAAAGCGIAA GCAIGGCTCT L G V I M A K R K R K H G S>	5140	drcreecrec (	5230	AATCTCTCAG	5320	STAAAGGCTG	5410	ATCCGTAGGA	0055	recaccecar c r P	2590	ATCACAGACT I I D	2680	cGGGCTGATG R A D



CCCCCCCT  CCCCCCCCT  CCCCCCCCCCCCCCCCC			٢	1 0.	17 0	1 010	U			
S100   S100	5850 * TACACCCTG T P L>	5940 * CCATGGAAAA H G K>	6030 * CCACGACAAC Q D N>	6120 TCGAGACATC R D I>	6210 CAATGTGACC N V T>	6300 CCACACCCCA H T P>	6390 * TGCCAAGGGT A K G>	6480 * ATCTCCTCAC S P E>	6570 * CACTGCCGCC T A A>	0999
STORE   STOR	5840 * ATCATGGTAC 'N D G T	S930 CAGTGGATGA A V D D	6020 * ACCGAGACAT N R D M	6110 * ATTTTGCCAA H F A N	6200 * TGGATGAATA L D E Y	6290 TCAGCCTGAA L S L K	6380 * AGGCAAAGGA E A K D	6470 * ATTCCCTAGA D S L E	6560 * CTATGITGGC	6650
SSECTION   STREET	S830 CCAGGATGA A R M	5920 AGATGTGAATG D V N	6010 * AATGGGGCCA N G A	6100 CTGTTAGACC L L D	6190 s GTGCGCCTTC V R L	6280 AGATCTTICC R S F	6370 * CTTGCCAAGG L A X	6460 * TCCCCTGTIG	6550 TCACCCAACC S P N	6640
S170   S180   S800   S810   S810	5820 * TGATCTAGAT D L D	5910 * CTGCCAAGCG C Q A	6000 * GITGITGAAA L L K	6090 * AGCCAAGAIC A K I	6180 CCATGACATT H D I	6270 * TGGGCCCAAC G P N	6360 ccrcctaac L P N	6450 * AGTAACTTTA V I L	6540 * CITACAGGCC L Q A	6630
S170   S180   S190   S800	5810 * ACCGAGTAAC N R V T	5900 * AACTGATCAA E L I N	S990 CAACTCTTTT A T L L	6080 CCTATGAAGC S Y E A	6170 ATCGCATGCA D R M H	6260 * CTGTCATCTG P V I C	6350 TGCCTACTAG M P I S	6440 * CTGAGAGTTC S E S S	6530 * CCCTGGGAT	6620
S170   S180   S190	5800 CTGATTCGCA L I R	5890 * ATGGTGGCAG M V A	5980 * AATGTGGAGG N V E	6070 * CGGGAGGGGA R E G	6160 ¢ GTGGCTCGGG V A R	6250 GCTCTCTCAC	6340 * AAGAGTACCA K S T	6430 crccaactgr	6520 * ATGATTACAT	6610
5770 5780  **CONGCTGATG CCCAAGGTGT  A D A Q G V  \$880 5870  **COTCCTGC CCCCCTGGC  I D A R L A  \$5950 5960  **COTCCTTGC CCCCCTGGC  A L H W A A  \$6040 6050  **COTCCTTGT CCTCTTT  B E E T P L F  \$6130 6140  **COTCCTTGT CCTCTTT  AGGACCATA TGGATCGTCT  CCAAGCCCTC CAGGCACCGT  B M D R L  \$6130 6140  **COTCCTTGT CAGGCACCGT  CCAAGCCCTC CAGGCACCGT  B C K S R R  AGGGCAAGA AGACTAGACG  G K K S R R  AGGGCAAGA AGACTAGACG  G K K S R  AGGGCAAGA AGACTAGACG  G K K S R  AGGGCAAGA AGAAGTCTCT  AGTAGGAGA AGAAGTCTCT  AGTAGTATGTT CCGACACCAC  G K K S L  AGGACCAACA AGAAGTCTCT  AGTAGTATGTT CCGACACCAC  G K K S L  AGGACAACACACACACACACACACACACACACACACAC	5790 CTTCCAGATT F Q I	5880 * TGTGGAGGGA	5970 * TGCTGTCAAT A V N	6060 TCTTGCTGCC L A A	6150 TCCCGGGAT P R D	6240 * GITGACLICT L T S	6330 CCGCACTGCC P S A	6420 * GAGTGAGAAG S E K	6510 * ATCCTCTCCA S S P	4600
5770  * S860  * S860  * CUCCTCCCTG  * S950  * CUCCTCTCCCTG  * A L  * B E E  * B E  * CUAGGCATA  * CUAGGCCTC  * CUAGGCCTC  * A L  * A L  * CUAGGCCATA  * CUAGGCCATA  * CUAGGCCCTC  * S P  * CUAGGCCCTC  * S P  * CUAGGCCAAGA  * A CGCGCAAGA  * A CGCGCCAAGA   5780 * CCCAAGGIGT A Q G V	5870 * CCCGCCTGGC A R L A	5960 * ACTGGGCAGC H W A A	6050 * CACCICIGIT I P L F	6140 * TGGATCGTCT M D R L	6230 * CAGGCACCGT P G T V	6320 * AGTCTAGACG K S R R	6410 * AGAAGTCTCT K K S L	6500 * CCGACACCAC S D T T	0659	
	S770 GONGCTGATG	S860 ATCCTGGCTG	5950 TOTCCTTC 8 A L	6040 * AAGGAAGAGA K E E	6130 AGAGACCATA T D H	6220 * CGAAGCCCTC B S P	6310 ATGGCCAAGA	6400 * ASTAGGAGGA S R R	6490 * ACGRATGITI	6580

* CACTGTGCTT CACT V T	6750 TCCAGTCCCA	P V P> 6840	* TGAGGGCACC E G T>	6930 * GACTTTCCAG T F 0>	7020	CCIGCCCACC L P T>	7110	AGCTCAGACC A Q T>	7200 * AAATGCTGCT	ATTCTCCCAG CCTATCATCC TTTCCCAGC TCTGTGGGGGGGGGG	7210 7220 * * * * * * * * * * * * * * * * * *	7380 * Traccacacac	9	7470
ATGGGGCCAG (	6740 STAGGCTCCA	S R L H 6830	TGGCTCCAGC	6920 * CCCCCALTGI	7010	TTGCGGGCCC V A G P	7100	ACGGCAGGT D G Q V	7190 ATGCTTCCTC	Y A S S 7280	* CTGACCAGTG P D Q W	7370	O R G	7460
CTTTGGCAC	6730 \$	G S L 6820	GETATGGTCC	6910 \$ \$ \$ \$ \$	0001	ccrccascrs P P A	7090	CCCCAGCAGG	7180	Q H S	* CCAGAGTCTC P E S	7360	0 0 0	7450
* rgaaatecag e m Q	6720 *	G S A	rcacarctit	95010000v0 0069	0669	GTCCACCTGC S T C	7080	TECCATGATE A M M	7170 *	P P S	GACACCATCC T P S	7350	TGGGGGTGCT G G A	7440
CTAACCITICA	6710 *	S P G S	CCCAGTACAA	6890 # AGCACATAAC	1 T H X	CCCAGCCTCA P Q P Q	7070	CTTTCCCCAC A F P T	7160	K Y P T	ATCCCTACCT H P Y L	7340	S P T P	7430
CTATCTITTE (	00L9 *	N I H	67CAATGAGA	6880 * CCTGAAGGGA	P E G	GCGGGGCTC A G A	0902	CCCAGTGTGG P S V	7150	S V G	CAGGGTGAGC	7330	CTGACCACCA V T T	7420
ccascarcca (Q H A	0699	S H H	6780 * ccccarccac	6870 * GAGCAGGCCA	S R P 6960	TGCCCAACCA A Q P	7050	GCCCGTTTG A R L	7140	TTTCCAGCC F (P A	TGGTCACCTC	7320	CTGGTCAGAT W S D	7410
CCTUCTCCCC CAGICCATGC CIAICTITIT CDAACCITCA IGAAATGCAG CCTITGGCAC AIGGGGCCAG CACTGIGGTT  P A P V B A Q H A L S F S N L H B M Q P L A H G A S T V L>	6680	CCCTCAGTGA GCCAGTTGCT ALCLANCAC CATAINS OF S G S A G S L S R L H P V P> P S V S Q L L S H H H I V S P G S G S A G S L S R L H P V P> P S V S Q L L S H H H I V S P G S G S A G S L S R L H P V P> P S V S Q L L S H H H I V S P G S G S A G S L S R L H P V P> P S V S Q L L S H H H I V S P G S G S A G S L S R L H P V P> P S V S Q L L S H H H I V S P G S G S A G S L S R L H P V P> P S V S Q L L S H H H I V S P G S G S A G S L S R L H P V P> P S V S Q L L S H H H I V S P G S G S A G S L S R L H P V P> P S V S Q L L S H H H I V S P G S G S A G S L S R L H P V P> P S V S Q L L S H H H I V S P G S G S A G S L S R L H P V P> P S V S Q L L S H H H I V S P G S G S A G S L S R L H P V P> P S V S Q L L S H H H I V S P G S G S A G S L S R L H P V P P P P P P P P P P P P P P P P P	6760 6770 6780 6790 8800 8800 8800 8800 8800 8800 8800 8	V P A D W M M K M E 6810 6880 6890 6900 6910 6920 6930 6930 6930 6930 6930 6930 6930 693	I A P. Q 6950	CICATCCCIA AAGGCAGINI TGCCCAACCA GCGGGGCTC CCCAGCTGC CCTCCAGCTG TTGCGGGCCC CCTGCCCACCA A G P L P I S L I P I S K G S I A Q P A G A P Q P Q S T C P P A V A G P L P I S L	7040	ATGIRCCAGA IICCAGAAAI GGCCCGTIIG CCCAGIGIGG CITICCCCAC IGCCAAGAAG CCCCAGCAGG ACGGGAGGI AGCICAGACC M Y Q I P E M A R L P S V A F P I A M M P Q Q D G Q V A Q I>	7130	CCTATCATCC A Y H P	7220 * CCAGTCACAG P S H S	7310	CTGCTTCTGA S A S D	7400
recrece	6670	s v	6760 * cccaccag	8 8 8 68 5 0 ** TCCTGGCA	P G 6940	CATCCCIA	7030	GTACCAGA	7120	TCTCCCAG	7210 AGCGAACAC	7300	S P B	7390
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GTAAATGCTG	7560	GITCITALIC	7650	TITGIGGAAA	7740	CATICITGCA	7830 * GCCCTGGAAT	7920	CCGTGATTGT		8010 * *		8100	GGAAAATGGA	8190	CATACTICTAT TGTGTTCTC TGCATATATC ATTCCTGGAG AGAGAAGGG AGAAGAATAC TTTTCTTCAA CAAATTTTGG GGGCAGGAGA	8280	TCCCTTCAAG AGGCTGCACC TIAATTTTTTC ITGTCTGTGT GCAGGTCTTC ATATAAACTT TACCAGGAAG AAGGGTGTGA GTTTGTTGTT	8370	TITCIGIGIA IGGECCIGGI CAGIGIAAAG ITITAICCIT GAIAGICIAG ITACIAIGAC CCICCCCACI IITITAAAAC CAGAAAAAGG	8460	TITIGGAATGI TGGAATGAC AAGAGACAAG TIAACICGIG CAAGAGCCAG TIACCCACCC ACAGGICCCC CIACTICCIG CCAAGCAITC
ACTGACTTTT	7550	AAGAGAAGAT	7640	ATAAGACAAG	7730	GAAGCCCAGA	7820 * TGGGAATTAT	0197	TOTOO A DEFINE		9008 *	21.122.121	\$ 8090 *	TIGITICITI	8180	CAAATTTTGG	8270	AAGGGTGTGA	8360	TTTTTAAAAC	8450	CIACTICCE
TAGAGACATA	7540	agaggtagga	7630	TTCTAATCTA	7720	GATGCTTATT	7810	0002	# *	0011110011	1990 *	AGGAGGITG	8080 *	TTCAAGTATG	8170	Tritcincaa	8260	TACCAGGAAG	8350	CCTCCCCACT	8440	ACAGGTCCCC
ACCTCCAGTG	7530	GCCAGCITCT	7620	TTATTGATTA	7710	GAATAAGATG	7800 *		**************************************	1114711	7980 *	GALLATIONA	8070	GCACAAACCT	8160	AGAAGAATAC	8250	ATATAAACTT	8340	TTACTATGAC	8430	TTACCCACCC
SAGAGAGTCC	7520	AATCTCTGGA	7610	rcrecaagec '	7700	TCTATTTGGA	0677 *		*	TICITIFIC	7970	TGATCAITUL	8060	ATGGTTCTCA	8150	AGAGAAGGGG	8240	GCAGGTCTTC	8330	GATAGTCTAG	8420	CAAGAGCCAG
STTTATGCGT (	7510	GAAATGAAGA	7600	TCACTGGGTA '	7690	TTTACTCTCT	7780	ייייייייייייייייייייייייייייייייייייייי	0/8/	TCCTTGGACA	7960	TTTGTGCTTT	8050	TTACTTTGGT	8140	ATTCCTGGAG	8230	Treferer	8320	TTTTATCCTT	8410	TTAACTCGTG
CAACATGCAG (	7500	ATCCGGGAGA (	7590	TTCGTCAGIT	7680	TGGGTCCATG	9777 *	1799479177	1860	CATCTCCTCC	7950	GGGCAAGACC	8040	CTCACAAGGT	8130	TGCATATATC	8220	TAATTITC	8310	CAGTGTAAAG	8400	AAGAGACAAG
CACCACACAA (PP PP	7490	CTGAGGAACA AATGAAGGIC AICCGGGAGA GAAAIGAAGA AAICTCIGGA GCCAGCIICI AGAGGIAGGA AAGAGAAGAI	7580	agataateca agagaagcaa ttegteagtt teactgggta tetgcaagge ttattgatta ttetaateta ataagacaag tttgtggaaa	7670	TGCAAGATGA ATACAAGCCT TGGGTCCCATG TTTACTCTCT TCTATTTGGA GAATAAGATG GATGCTTATT GAAGCCCAGA CATTCTTGCA	7750 7760 7770 7780 7790 7800 7810 7820 7830 7830 7830 7830 7830 7830 7830 783	CATTITIANG	7850	TCTGCCTGAA TTGACCTACG CATCTCCTCC TCCTTGGACA TTCTTTGTC TTCATITGGT GCTILIGGT TSGGGGTG CONTINUED TTGACCTACG	7940	AGCCCTACCA GCATGITATA GGGCAAGACC TITGIGCTIT IGAICAITU GGCCCATGAA AGCAACIIIS SICLOOTIS GOCCOTACCA	8030	TICCCGGIAÎ CCCIIGGAGÎ CICACAAGGÎ TIACITIGGÎ AIGGIICICA GCACAAACCÎ IICAAGIAÎG IIGIIICITÎ GGAAAAIGGA	8120	rererrered	8210	AGGCTGCACC	8300	TGGGCCTGGT	8390	TGGAATGACC
ATGICITGAGC CACCACACAA CAACAIGCAG GITIAIGCGI GAGAGAGICC ACCICCAGIG IAGAGACAIA ACIGACIIII GIAAAIGCIG M S E P P H N N M Q V Y A>	7480	CTGAGGAACA	7570	AGATAATGCA	0991	TGCAAGATGA	7750	GCTTGGACTG	7840	TCTGCCTGAA	7930	AGCCCTACCA	8020	TICCCGGTAT	8110	CATACTGTAT	8200	TCCCTTCAAG	8290	* TTTCTGTGTA	8380	TTTGGAATGT

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8550	*	ACTAGICITA	8640	Sea COOSem	וואפררראים	8730	ATCTTTCTTT	8820	TTGGAAAGTT	8910	TGCTACCATT	* 0006	CACCTITIAG	0606	TTGGCAATTT	9180	GTTAATAATT	9270	GTAGATATTA	9360	ACTTACCTGA	9450	CAGTCCTATC CAAATTTATT	9540
8540	*	AGCATATGAA 1	8630	ن مستسندی د در ا	TGAACITICC	8720	CTGCTCACCA	8810	AGTGCAGGAA	8900 *	TGCTATITIC	* 0668 ·	TICCIAGAGI	\$080	ATTCATGCTC	9170	ccrrececca	9260	TGGGCATTIT	9350	AGIGCIICCC	9440	CAGTCCTATC	0530
0630	*	rcacrcaccc 1	8620	× 000	CATTTAGGAC	8710	GCTTAAAGGC	8800	TATATETTCA	9890 *	TAGCAGCCTT	8980	ACATITICCI	9070	CACTCTCTGT	9160	TYCCICITY	9250	AAGTTCTGCC	9340	AGTATGCATC	9430	, argertrtr	0000
	Λ.* Λ.ΖCB	CTGTTTCAC	8610	*	STACCCTTGC	8700	TIATCTIGCT	8790	ACATGGACTT	8880	AGGAACTATA	8970	ACTCAACAGA	9060	CACCTGAATC	9150	AATAGTTTTC	9240	CCTGCAAAAT	9330	TATGGCTGCA	9420	TAGITITACAA	0
4	8510	SCATTCTAGG (	8600	*	CTCAAATGIT (	9698	TCTCTACTGA 3	8780	CTCACTGAAG .	8870	TTGGAAAAGG	0968	TAACGTAGAA	0506	GATTGCCCCT	9140	GTAGATAAAG	9230	GCCCATGACA	9320	TCATTCCTTC	9410	GTTGCCATAA	
	8500	CAGATCTGA (	8590	*	AAGACACTGT (	8680	AGATGATCAG	9770	CCAGTATGTT	0988	TATAAGAAGG	8950	CTTTGGCAAC	9040	TGTTCAGACT	9130	TTAGTTAATT	9220	GIGCIGIGAL	9310	ATGACAGTTC	9400.	crecererer	
	8490	ACATTIGIC (	8580	*	ATATCCACAG 1	8670	* recentrere	8760	* ACTGGTATAC	8850	AAAACAGCCC	8940	ATGACATTCC	9030	* ACTIGCTCAT	9120	* CAGAAGCATT	9210	* CTTCCGTCCA	9300	TTTGGTTTGA	9390	TATGGAAACC	
	8480	* CTGTATGGAA C	8570	*	ACTGITICAGO CITICOTITO AFATOCACAG AAGACACIGI CICAAAIGII GIACCOTIGO CAITITAGGAO IGAAULLIUU LAGUUAAA	8660	AGANCCARTA ACAGINGICI TOCGIINGIC AGAIGAICAG ICICIACIGA IIAICIIGCI GCIIAAAGGC CIGCICACCA AICIIICITI	8750	CACACCGIGI GGICCGIGII ACTGGIAIAC CCAGIAIGII CICACTGAAG ACAIGGACTI IAIAIGIICA AGIGCAGGAA IIGGAAAGII	8840	* * * * * * * * * * * * * * * * * * *	8930	* * * * * * * * * * * * * * * * * * *	9020	* * * * * * * * * * * * * * * * * * *	9110	CTTTTA	9200	* * * * * * * * * * * * * * * * * * *	9290	* * * * * * * * * * * * * * * * * * *	9380	TITETETE GETGGCCCCA TAIGGAAACC CIGCGTGTCT GITGGCATAA TAGITITACAA AIGGITITIT	
	8470	cattractes eteratesaa cacattrers ccacatersa scatteras cerettecae teacteacec ascatarsaa actasetera	8560	*	ACTGTTGAGC	8650	* GEACCEAGE	8740	CACACCGTGT	8830	* GGACTTGTTT	8920	retritecte	9010	ATGATAATGG	9100	CTTTGACTTT	9190	* GGTCCATGGC	9280	* ACAGGTGAAT	9370	* TTTGTCTGTC	

*	CAACATTICTG	\$630	атесесавая	9720	CCCTGGGAAT
*	CICCAIGIGG	9620	TTATTCACAG	9710	GACTTECTIC
*	GCTTTATTCT	9610	GACCCATTTA	9100	CGATGGCGAT
*	TTCATTCTCT	0096	тстесестте	0696	GAGCCAGTGG
*	ATTAAGTTTG	9590	ATGGTGACTC	0896 *	ACAGTGCAGG
*	AGATAAGCAG	9580	ATCATTCTAA	0496	TGCAGCACAC
*	TTCTGCCCTG	9570	CAAACAITIT	* 0996	CCATCCTCTG
*	AAATAATTAC	9560	TCATAGTGTG	9650	Tegaccerca
*	GAACCAACAA AAATAATTAC ITCTGCCCTG AGATAAGCAG AITAAGITTG ITCAITCTCT GCITTATTCT CICCAIGIGG CAACAITCIG	9550	TCAGCCTCTT TCATAGTGTG CAAACAITTT ATCATTCTAA ATGGTGACTC TCTGCCCTTG GACCCATTTA ITATTCACAG ATGGGGAGAA	9640	CCTAICTECA TEGACCCTCA CCATCCTCTG TECAGCACAC ACAGTGCAGG GACCCAGTGG CGATGGCGAT GACTTTCTTC CCCTGGGAAT